



# Boom-Arm Mountable Video Camera

All universal input interfaces in one MediDVR

## Power :

Input : 12-20VDC 1A max  
Medical grade power supply  
POE (IEEE802.3af)  
Consumption : ~8W Typical

## Camera :

Image Device : Sony 1/2.3"  
Back-illuminated and stacked Exmor R  
Effective Pixels : 3840(H) x 2160(V)  
Aperture/IRIS : F1.6-2.8, F1.67-3.67, F1.6-4.3  
Electronic Shutter : AUTO, 1/25(30), 1/50(60), 1/90, 1/100, 1/120, 1/125, 1/180, 1/250, 1/300, 1/500, 1/600, 1/725, 1/1000, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000  
Lens Zoom Ratio : 12x, 18x, 25x  
Focal Length : f3.4-40.3mm, f5.5-99mm, f5.3-130mm  
FOV(D/H/V) : 12x, Wide:78.5°/70.8°/42.7°, Tele:7.4°/6.4°/3.6°  
18x, Wide:63.1°/51.9°/39.7°, Tele:3.7°/3.0°/2.2°  
25x, Wide:67.9°/55.0°/41.6°, Tele:2.8°/2.3°/1.7°  
Gamma Control : 9 options  
Noise Reduction : 2D/3D, 8 levels  
White Balance : Auto, One Push, R/B Gain, Color Temp, Lock  
Color Temp. : 3000-6500K  
Focus : Auto/Manual/One Push with AF Lock  
Focus Zone : 6 zones and Point Focus  
Exposure : AE/AAE/SAE/M with AE lock  
Mirror/Flip : Automatic/Manual  
Style : Default, Color/Sharpness Enhancement etc.  
ND/UV/PL Mount : 58mm  
Min. field Light Dia. : >14cm at 1 meter distance

## Video :

Video Encoder : H.264 HP/MP/BP, H.265 MP  
Resolution : 4K2160p25/30, 1080p25/30/50/60  
1080i50/60, 720p50/60  
Bit Rate : Max. 50Mbps/s, adjustable  
Frame Rate : 24/25/30fps for all, 50/60fps for 1080/720p  
Codec : H.264/265  
Rate Control : CBR/VBR  
Live Preview : Web, HDMI and SDI  
OSD : WYSIWYG editor

## Network :

LAN : 100/1000Mbps Gigabit  
Bluetooth : Optional  
WEB : http, https

## Streaming :

Streaming Out : RTMP/SRT\*/RTP/UDP/RTSP, \*SRT caller only  
Bit Rate : Max. 50Mbps/s, adjustable  
NDI® : NDI® | HX3/HX2/HX  
Main Video Stream : Up to 4K30  
Secondary Stream : Up to 720p  
Recorder : mp4, mov, ts  
Storage : NAS  
Rotation : 0/90/180/270°, native vertical streaming

## Video Out:

HDMI Out : 1.4b, 4:2:2(YCbCr)  
SDI Out : 3G SDI, 800mVpp, 75ohm, 4:2:2(YCbCr)  
NDI : NDI® | HX3/HX2/HX (NDI v5.5, upgradeable)

## Audio :

Sampling : 32, 44.1, 48KHz  
Encoder : AAC, MP3, 16bit  
Bitrate : 32-192kbps  
Line Input : 0.7VRMS, 20K, 2CH, AGC  
Microphone : Dual MIC omni-direction, 2.0V bias  
Source : Line In, MIC  
Audio Embedding : HDMI, SDI and NDI

## Zoom and Control :

Protocol : IP VISCA, VISCA, NDI®, Pelco P/D, Onvif  
Setting : Mobile Phone, Pad, PC, RESTFUL API  
OSD Menu : Support

## Panel:

Button : 8 Membrane buttons  
Menu Display : Built-in  
WB : One push AWB  
Freeze : One push freeze

## Software :

Firmware : Upgradeable, Linux OS

## Interface :

Power : 1 x DC Jack 5.5\*2.1  
HDMI Output : 1 x TYPE A, Receptacle  
SDI Output : 1 x BNC, Female  
RS485/422 : 3 x Terminal Block  
RS232 : DB9 female  
Audio In : 1 x 3.5mm Jack  
Network : RJ45, Gigabit, PoE  
Visible : 1 x LED, bi-color

## Physical and Environment

Size : 237.8 x 102 x 98mm(9.36" x 4.0" x 3.8")  
Weight : 1.495kg (3lb 4.73oz)  
Operating : 0°C to 45°C(32°F to 113°F), <80% Humidity  
Storage : -20°C to 60°C(-4°F to 140°F)  
Mount : Boom ARM side or bottom (3x1/4"-20UNC)

## Certification

CE, FCC, IEC60601-1-2

## Ordering

30631-XYZ  
Z=1-12x, 2-18x, 3-25x  
Y=0-Surgical Camera, 1-NDI  
X=5-Bottom mount, 6-Side mount, 7-Middle mount (Module)

## Accessories

Power Adapter x 1  
Quick User Guide

\* All specifications are subject to change without notice.

\* Accessory supply may be different for different product options.

\* Actual object may differ from what you see from the catalog.